* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America NEWS 2 Sep 29 The Philippines Inventory of Chemicals and Chemical Substances (PICCS) has been added to CHEMLIST NEWS 3 Oct 27 New Extraction Code PAX now available in Derwent Files
NEWS 4 Oct 27 SET ABBREVIATIONS and SET PLURALS extended in Derwent World Patents Index files
NEWS 5 Oct 27 Patent Assignee Code Dictionary now available in Derwent Patent Files
NEWS 6 Oct 27 Plasdoc Key Serials Dictionary and Echoing added to Derwent Subscriber Files WPIDS and WPIX
NEWS 7 Nov 29 Derwent announces further increase in updates for DWPI NEWS 8 Dec 5 French Multi-Disciplinary Database PASCAL Now on STN NEWS 9 Dec 5 Trademarks on STN - New DEMAS and EUMAS Files
NEWS EXPRESS FREE UPGRADE 5.0DP1 FOR STN EXPRESS 5.0 WITH DISCOVER! (WINDOWS) NOW AVAILABLE
NEWS HOURS STN Operating Hours Plus Help Desk Availability NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN NEWS WWW CAS World Wide Web Site (general information)
Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *
FILE 'HOME' ENTERED AT 10:10:39 ON 12 DEC 2000

=> help file

The FILE command is used to select the file (database) for search, display, and printing. To use this command, enter "FILE" and the name of the file. Subsequent SEARCH, DISPLAY, PRINT, and ACTIVATE commands will be executed in this file until the next FILE command.
When you log in, you are automatically in the HOME file. Use the FILE command to change to another file. Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of the files that are available. For general information on the current file, enter "HELP CONTENT". The costs of an online session can be designated, on your monthly invoice, as being associated with a particular individual or group. For information on this feature, enter "HELP FILE COST" at an arrow prompt (=>).

=> help

The arrow (=>) is the system prompt, where you enter a command. For an explanation of system commands, files, formats, etc., enter "HELP" and the name of the item you want explained at an arrow prompt (=>). Enter "HELP COMMANDS" for a list of commands that can be used in this file. Enter "HELP MESSAGES" for a list of online explanations that are available. The "?" can be used as a synonym for "HELP".
Help is also available at any prompt, and after any error message. Enter "HELP" or "?" at a prompt to see an explanation of the options. After an error message, enter "HELP" or "?" at the next prompt and you will receive a more detailed explanation of the error and how to correct it.

Automatic help is also available. When AUHELP is 'ON', you will automatically receive help following an error message. For more information on AUHELP, enter "HELP SET AUHELP" at an arrow prompt (=>).

Users who need additional assistance can contact the Help Desk at their nearest STN Service Center. Enter "HELP STN" for information on STN Service Centers. You may also choose to contact the database representative for the file you are searching, for more detailed help on database content and search strategy. For information on how to contact database representatives for the current file, enter "HELP DESK" at an arrow prompt (=>).

=> file

ENTER A FILE NAME OR (HOME):caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION
FULL ESTIMATED COST 0.45 0.45
FILE 'CAPLUS' ENTERED AT 10:12:25 ON 12 DEC 2000
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1967 - 12 Dec 2000 VOL 133 ISS 25
FILE LAST UPDATED: 11 Dec 2000 (20001211/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGlstRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in CAPLUS on STN.

=> s (itr or (internal (w) tandem (w) repeat#))/bi,ab

385 ITR/BI
319 ITR/AB
235311 INTERNAL/BI
209767 INTERNAL/AB
27102 TANDEM/BI
23200 TANDEM/AB
48590 REPEAT#/BI
44412 REPEAT#/AB
14 INTERNAL (W) TANDEM (W) REPEAT#
L1 398 (ITR OR (INTERNAL (W) TANDEM (W) REPEAT#))/BI,AB

=> s ((anti (w) sense) or antisense)/bi,ab

223038 ANTI/BI
187535 ANTI/AB
20686 SENSE/BI
19836 SENSE/AB
849 ANTI (W) SENSE
17671 ANTISENSE/BI
14720 ANTISENSE/AB
L2 18196 ((ANTI (W) SENSE) OR ANTISENSE)/BI,AB

=> s l1 and l2

L3 5 L1 AND L2

=> s ribozyme#/bi,ab

4477 RIBOZYME#/BI
3235 RIBOZYME#/AB
L4 4477 RIBOZYME#/BI,AB

=> s l3 and l4

L5 2 L3 AND L4

=> d l3 1-5 bib ab

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2000 ACS
AN 1999:795943 CAPLUS
DN 132:45813
TI Generation of recombinant adeno-associated virus vectors without formation of wild-type virus
IN Srivastava, Arun; Wang, Xu-Shan; Ponnazhagan, Selvarangan PA Advanced Research and Technology Institute, USA
SO PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
---------- ---- -------- ---------- --------
PI WO 9964569 A1 19991216 WO 1999-US13070 19990609 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 9945587 A1 19991230 AU 1999-45587 19990609 PRAI US 1998-88714 19980610
WO 1999-US13070 19990609
AB A plasmid co-transfection system for the generation of recombinant adeno-assocd. virus 2 for use as a gene delivery virus that minimizes the generation of wild-type virus by preventing homologous recombination is described. Recombination is dependent upon 10 nucleotides of the viral D-sequence and helper vectors lacking sequence homol. in the D-sequence and helper plasmids lacking adenovirus inverted terminal repeats. Methods and compns. for the use of recombinant AAV plasmids and helper vectors lacking homol. in the D-sequence, and helper plasmids lacking the adenovirus ITRs for use in gene therapy are described. Mapping of recombination events leading to the generation of wild-type virus found most of them clustering in the 10 distal nucleotides of the D-sequence and also involved the inverted terminals repeats of the adenovirus 5 helper. Deletion of selected sequences gradually lowered the titer of wild-type virus to <0.1% of total virus.
RE.CNT 6
RE
(1) Qing; Journal of Virology 1998, V72(2), P1593 CAPLUS
(2) Wang; Journal of Molecular Biology 1995, V250, P573 CAPLUS (3) Wang; Journal of Virology 1996, V70(3), P1668 CAPLUS
(4) Wang; Journal of Virology 1997, V71(2), P1140 CAPLUS
(5) Wang; Journal of Virology 1997, V71(4), P3077 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2000 ACS
AN 1999:244775 CAPLUS
DN 130:292438
TI Chimeric AAV/B19 parvovirus-based recombinant vector system specifically targeting the erythroid lineage
IN Srivastava, Arun; Ponnazhagan, Selvarangan
PA Advanced Research and Technology Institute, USA
SO PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DT Patent

LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
--- --- --- --- ---
PI WO 9918227 A1 19990415 WO 1998-US21202 19981008 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 9912696 A1 19990427 AU 1999-12696 19981008 EP 1027451 A1 20000816 EP 1998-956097 19981008 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
PRAI US 1997-61364 19971008
WO 1998-US21202 19981008
AB The present invention relates to the engineering, propagation and use of chimeric parvovirus vectors using sequences from adeno-assocd. virus (AAV) and B19 virus, which may be used to deliver genes to various target cells, including those of erythroid lineage. The system exploits the unique features of AAV and B19 such that it does not suffer from toxicity, oncogenicity, or immunogenicity concerns. Heterologous DNA sequences are cloned withing the inverted terminal repeats (ITR) of AAV, without the presence of any AAV structural genes, and subsequently packaged inside the capsid structure of B19. Such a chimeric vector is achieved by creating a helper plasmid consisting of the rep gene of AAV, and the cap gene of B19. High titers of the vector may be generated, facilitating in vivo therapy. It is designed to specifically target primitive progenitor and differentiated cells of erythroid lineage, and can achieve stable integration and expression of transduced genes. RE.CNT 11
RE
(1) Childrens Hospital Inc; WO 9534670 A 1995 CAPLUS
(2) Latta, M; WO 9523867 A 1995 CAPLUS
(4) Ponnazhagan, S; Blood, Meeting Info: 39th Annual Meeting of the American Society of Hematology 1997 CAPLUS
(5) Ponnazhagan, S; J Virology 1998, V72(6), P5224 CAPLUS
(7) RES Corp Technologies Inc; WO 9309239 A 1993 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2000 ACS
AN 1998:303188 CAPLUS
DN 129:77198
TI Site-specific integration in mammalian cells mediated by a new hybrid baculovirus-adeno-associated virus vector
AU Palombo, Fabio; Monciotti, Andrea; Recchia, Alessandra; Cortese, Riccardo; Ciliberto, Gennaro; La Monica, Nicola
CS IRBM P. Angeletti, Pomezia, 00040, Italy
SO J. Virol. (1998), 72(6), 5025-5034
CODEN: JOVIAM; ISSN: 0022-538X
PB American Society for Microbiology
DT Journal
LA English
AB Baculovirus can transiently transduce primary human and rat hepatocytes, as well as a subset of stable cell lines. To prolong transgene expression, we have developed new hybrid vectors which assoc. key elements from adeno-assocd. virus (AAV) with the elevated transducing capacity of baculovirus. The hybrid vectors contain a transgene cassette composed of the .beta.-galactosidase (.beta.-Gal) reporter gene and the hygromycin resistance (Hygr) gene flanked by the AAV inverted terminal repeats (ITRs), which are necessary for AAV replication and integration in the host genome. Constructs were derived both with and without the AAV rep gene under the p5 and p19 promoters cloned in different positions with respect to the baculovirus polyhedrin promoter. A high-titer prepn. of baculovirus-AAV (Bac-AAV) chimeric virus contg. the ITR -Hygr-.beta.-Gal sequence was obtained with insect cells only when the rep gene was placed in an antisense orientation to the polyhedrin promoter. Infection of 293 cells with Bac-AAV virus expressing the rep gene results in a 10-to 50-fold increase in the no. of Hygr stable cell clones. Addnl., rep expression detd. the localization of the transgene cassette in the aavs1 site in approx. 41% of cases as detected by both Southern blotting and fluorescent in situ hybridization anal. Moreover, site-specific integration of the ITR -flanked DNA was also detected by PCR amplification of the ITR -aavs1 junction in transduced human fibro-blasts. These data indicate that Bac-AAV hybrid vectors can allow permanent, nontoxic gene delivery of DNA constructs for ex vivo treatment of primary human cells.

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2000 ACS
AN 1998:169418 CAPLUS
DN 128:227084
TI Methods and compositions for liver-specific delivery of therapeutic molecules using recombinant adeno-associated virus vectors IN Srivastava, Aron; Ponnazhagan, Selvarangan; Chloemer, Robert H.; Wang, Xu-Shan; Yoder, Mervin C.; Zhou, Shang-Zhen; Escobedo, Jaime; Dwarki, Varavani
PA Chiron Corporation, USA; Indiana University
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
--- --- --- --- ---

PI WO 9809524 A1 19980312 WO 1997-US15453 19970902 W: CA, JP
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE EP 933997 A1 19990811 EP 1997-940762 19970902 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
PRAI US 1996-25616 19960906
US 1996-25649 19960911
WO 1997-US15453 19970902
AB Provided are methods for selectively expressing therapeutic mols., such as secretory proteins, antisense mols. and ribozymes, in the liver. The methods find use in treating hepatic diseases or conditions. The methods also find use in treating any disease or condition in which systemic administration of the therapeutic substance, for example, a secretory protein, is desired. The methods involve administering to a mammalian patient having a need for liver expression of a therapeutic mol. an AAV vector contg. a therapeutically effective amt. of the therapeutic mol. Also provided are novel vectors employable in these methods. Expts. revealed that, following i.v. injection of AAV vectors into mice, the AAV genomes were found predominantly in the liver. The heterologous genes carried by these vectors (chimeric cytomegalovirus promoter-lacZ or .beta.-globin promoter-globin genes) were expressed in the liver. Cotransfection of adenovirus 2-infected 293 cells with the AAV vectors and helper plasmid contg. cap and rep genes resulted in prodn. of 0.1-10% wild-type AAV. Replacement of the last 10 nucleotides of the ITR D sequence with unrelated nucleotides reduced this illegitimate recombination was reduced. Four recombinant AAV vectors (pD-5, pD-10, pD-15 and pD-20) with such modified ITR regions were prepd.
L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2000 ACS
AN 1995:951301 CAPLUS
DN 123:332111
TI Integrative adenovirus expression vectors for use in gene therapy IN Denefle, Patrice; Latta, Martine; Perricaudet, Michel; Vigne, Emmanuelle PA Rhone-Poulenc Rorer S.A., Fr.
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9523867	A1	19950908	WO 1995-FR233	19950228

W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ, VN
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
FR 2716893 A1 19950908 FR 1994-2445 19940303 FR 2716893 B1 19960412
CA 2184113 AA 19950908 CA 1995-2184113 19950228 AU 9518526 A1 19950918 AU 1995-18526 19950228 EP 748385 A1 19961218 EP 1995-910605 19950228 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE JP 09509578 T2 19970930 JP 1995-522730 19950228 ZA 9501803 A 19960109 ZA 1995-1803 19950303 US 6033885 A 20000307 US 1996-702573 19960912 PRAI FR 1994-2445 19940303
WO 1995-FR233 19950228
AB Recombination-defective adenoviruses carrying a cassette that can be integrated into the genome of host cells are constructed for use in gene therapy. The cassette particularly contains at least one inverted terminal repeat (ITR) of an adeno-assocd. virus (AAV) and a therapeutic gene. The use of the AAV ITR directs integration to the same locus in all cases and minimizes possible complications from random integration. The construction of virus carrying the lacZ reporter gene or a human lipoprotein AI gene under control of viral (vesicular stomatitis or Rous sarcoma virus) promoters is described.

=> file ca

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION
FULL ESTIMATED COST 34.81 35.26
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -2.78 -2.78
FILE 'CA' ENTERED AT 10:14:10 ON 12 DEC 2000
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1967 - 7 Dec 2000 VOL 133 ISS 25
FILE LAST UPDATED: 7 Dec 2000 (20001207/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGistRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in CA on STN.
=> s l5

374 ITR/BI
309 ITR/AB

228219 INTERNAL/BI
203130 INTERNAL/AB
25935 TANDEM/BI
22201 TANDEM/AB
46369 REPEAT#/BI
42301 REPEAT#/AB
13 INTERNAL (W) TANDEM (W) REPEAT#
215262 ANTI/BI
180573 ANTI/AB
19151 SENSE/BI
18427 SENSE/AB
813 ANTI (W) SENSE
16873 ANTISENSE/BI
14081 ANTISENSE/AB
4250 RIBOZYME#/BI
3054 RIBOZYME#/AB
L6 2 L3 AND L4

=> log y

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION
FULL ESTIMATED COST 22.70 57.96
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
TOTAL ENTRY SESSION CA SUBSCRIBER PRICE 0.00 -2.78
STN INTERNATIONAL LOGOFF AT 10:14:25 ON 12 DEC 2000